Amendments to and Listing of the Claims:

1. to 43. **[Cancelled]**

44. (Currently amended) A ~~synthetic~~ neuronal tissue derived from a brain or spinal cord tissue of a mammal, the ~~synthetic~~ neuronal tissue ~~comprising~~ consisting essentially of:

partially-differentiated neuronal progenitor cells that maintain their capacity to perform mitosis and are capable of differentiating into substantially only dopaminergic neurons upon contact of the ~~synthetic~~ neuronal tissue with a differentiation-promoting factor selected from the group consisting of glial cell line-derived neurotrophic factor, leukemia inhibitory factor, interleukin-1, interleukin-2, interleukin-3, interleukin-4, interleukin-5, interleukin-6, interleukin-7, interleukin-8, interleukin-9, interleukin-10, interleukin-11, interleukin-12, interleukin-13, interleukin-14, interleukin-15, interleukin-16, and thyroid hormone,

wherein the ~~synthetic~~ neuronal tissue does not comprise cells that give rise to sufficient glial cells to provoke an immune response upon implantation of the ~~synthetic~~ neuronal tissue into a recipient.

45. (Currently amended) The ~~synthetic~~ neuronal tissue of claim 44, wherein more than 90% of cells in the ~~synthetic~~ neuronal tissue are the progenitor cells.

46. (Currently amended) The ~~synthetic~~ neuronal tissue of claim 45, wherein more than 95% of cells in the ~~synthetic~~ neuronal tissue are the progenitor cells.

47. (Currently amended) The ~~synthetic~~ neuronal tissue of claim 44, wherein the mammal is a human.

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48. (Currently amended) The ~~synthetic~~ neuronal tissue of claim 47, wherein the human is an adult.